

/388493/2023

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

## GOVERNMENT OF KARNATAKA

ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ  
(ಅರಣ್ಯ ಪಡೆ ಮುಖ್ಯಸ್ಥರು) ರವರ ಕಚೇರಿOffice of  
Principal Chief Conservator of  
Forests  
(Head of Forest Force)ಅರಣ್ಯ ಭವನ, 18 ನೇ ಅಡ್ಡ ರಸ್ತೆ  
ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು-560003  
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Encl: 2 sets of hard copiesE-556477  
Date 16-02-2023

To,

The Additional Chief Secretary to Government  
Forest, Ecology and Environment Department  
M.S. Building, Bengaluru – 560 001

Sir,

**Sub:** Diversion of 12.1801 Ha of forest land in F. Sy. No. 17 (new Sy. No.20) of Ittigehalli Village, Holehonnur Hobli, Bhadravathi Taluk, Shimoga District (Bhadravathi Forest Division) for construction of new tank with check dam & connectivity road for recharge of ground water in surrounding villages of Ittigehalli in favour of Executive Engineer, KNNL No.3, Bhadra Canal Division, Malebennur.

**Proposal No. FP/KA/WATER/146299/2021**

- Ref:**
1. This office letter of even number dated 15-09-2022 [Stage-I proposal] and 01-12-2022 & 22-12-2022 [communication of GOI EDS Query]
  2. Government of Karnataka letter No. FEE 123 FLL 2022 (e) dated 13-10-2022 [Stage-I proposal] and 28-11-2022 & 02-12-2022 [communication of GOI EDS query]
  3. Government of India, Ministry of Environment, Forests & Climate Change, Regional Office (Southern Zone), Bengaluru letter F.No. 4-KRC 1385/2022-BAN/909 dated 04-11-2022 [EDS query-I] and letter F.No. 4-KRC 1385/2022-BAN/946 dated 15-11-2022 [EDS query-II]
  4. The Executive Engineer, KNNL, Malebennur letter No. EE/KNNL/BCD-3/MBR/AE-2/1491 dated 03-02-2023 [reply to GOI EDS Query]
  5. Deputy Conservator of Forests, Bhadravathi Division letter No. B2/Land/CR-21/2022-23 dated 06-02-2023 [reply to GOI EDS Query]
  6. Chief Conservator of Forests, Shivamogga Circle letter No. A11/FC/Ittigehalli-Tank/GL-2971/2022-23 dated 08-02-2023 [reply to GOI EDS Query]

With reference to the above proposal seeking Stage-I approval submitted by this office vide Ref (1) letter dated 15-09-2022 and by the Government of Karnataka

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vide Ref (2) letter dated 13-10-2022, the Government of India vide Ref (3) has raised the EDS Queries in two stages seeking certain additional information. The same has been communicated by the Government of Karnataka vide Ref (2) letters dated 28-11-2022 & 02-12-2022 to this office. Accordingly, this office vide Ref (1) letters dated 01-12-2022 & 22-12-2022 has forwarded the same to the field officers and further to User Agency.

In response, the User Agency vide Ref (4) has submitted the information sought by the Government of India, that has been forwarded to this office through FC web portal by the field officers vide Ref (5) & (6).

Based on the reply furnished by the User Agency and the information available in the proposal, the following reply is submitted to the query raised by Government of India.

Government of India Query dated 04-11-2022	Reply
<p>1 As per the title of the proposal, the purpose of the project is for recharge of ground water whereas Category of the project is mentioned as "drinking water". The proposal also mentions that the water will be used for meeting the demand for irrigation for the paddy cultivation. The diversion of forest land is also sought for laying the pipeline up to the nearby village. Therefore, the actual purpose of the project, i.e., whether it is for irrigation or drinking water or for recharge of ground water may be specified.</p>	<p>The User Agency vide Ref (4) letter (<b>Copy enclosed</b>) has provided the following details.</p> <p>The project scope is only to recharge the ground water, so that it helps to recharge the surrounding Bore wells in the village and villagers can utilize the water either for drinking purpose or for irrigation purpose. Further, Ittigehalli village does not have a single pond/tank. The entire livestock of this village is completely depending on borewell for water source. By constructing the tank, it helps to recharge the ground water. Thus, it helps to refill the bore wells of agriculture lands also. Because of this reason, User Agency has mentioned the title as "recharge ground water".</p> <p>In the initial stages, User Agency has planned to lift water from Tungabhadra River to new tank, so they marked the pipeline in forest area, but after detailed study of hydrology, it was found out that the rainfall in and around this area is good enough and the runoff yield is sufficient to fill the tank. Hence, the proposal of lift scheme is dropped.</p>
<p>2 The alternatives examined with maps and reason for their rejection.</p>	<p>The User Agency has provided the details of alternatives examined and reason for their rejection as below.</p> <p><b>Alternative-1:</b> - In this option the catchment</p>

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		<p>area is very less and the runoff of water is very low hence the chances of filling the tank is also less. Also, the command area of Ittigehalli village does not fall on the downstream side of the proposed tank. Hence, the possibility of ground water recharge is also doubtful in the command area and hence this alternative was rejected.</p> <p><b>Alternative-2:</b> - In this option also the catchment area is very less, and also this area falls in the centre portion of the forest land and it is far away from the Ittigehalli village. Moreover, this location is not having proper road and hence it is difficult for people to take their livestock for drinking. Hence, this alternative was also rejected.</p> <p>The maps of alternatives examined are enclosed</p>
3	It is mentioned that after implementation of this project, in order to meet the gap in water availability and demand, water from Tunga River near Anaveri village will be lifted to the tank. It may be clarified whether the proposal is a separate project or part of project to lift water from Tunga River and supply to tank/ water bodies. If so whether any additional forest land would be required for the same.	Earlier in this project, the User Agency has planned to lift the water from Tungabhadra River near Anaveri village to the proposed tank to meet the gap in water availability and demand. But after detailed study of hydrology and topography of the area, it was found out that the area receives rainfall of around 600mm to 700mm per year and the catchment area is also vast (3.65 sqkm) so that the runoff yield is itself sufficient to fill the tank. Therefore, the proposal of lifting water from Tungabhadra River near Anaveri village is dropped from the existing project.
4	As per the component-wise requirement of forest land provided in Part-I of the proposal, forest land is required for new tank, check dam and connecting road. However, in the KML file uploaded in the proposal, pipeline and tank area is shown, but the KML file of the connectivity road is not uploaded. This may be clarified.	<p>The KML files of tank and connecting road is provided. The component-wise KML files are as shown below.</p> <ol style="list-style-type: none"> <li>KML files of proposed tank.</li> <li>KML files of proposed nala bund area.</li> <li>KML files of connectivity approach road to tank in forest area.</li> <li>KML files of connectivity approach road to tank in non-forest area</li> </ol>
5	Cost Benefit analysis of the project to be submitted.	User Agency stating that the project is Non-Commercial, the purpose of this project is primarily to recharge the ground water and it helps to refill the surrounding villages Bore wells present in the command area, so that the

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		villagers can utilize this water either for drinking purpose or for irrigation purpose. Therefore, the cost benefit analysis is not done by the User Agency and they consider the cost benefit analysis as Zero.
6	As per the PCCF forwarding letter CA is proposed in 12.1801 ha. of non-forest land in Sy.No. 43, Gudmaghatta village, Holehonnur Hobli, Bhadravathi Taluk. However, KML file and maps uploaded in the Part -I & II pertains to Forest Sy. No. 16 (Part) of Shringarabhog village, Basavanapattana-1 Hobli, Chennagiri Taluk, Davanagere District which appears to be a degraded forest land. Since the non-forest land has to be identified for CA for this proposal, the KML file and map of the non-forest land identified towards CA may be uploaded in the Part-I & II of the proposal. The Site suitability certificate of non-forest land proposed for Compensatory Afforestation is also not provided. If the non-forest land is not suitable for planting and alternatively the degraded forest land is selected for planting, the site suitability certificate for the same may be provided.	The User Agency has proposed the equivalent extent of non-forest land in Sy. No. 43 of Gudmaghatta Village, Holehonnur Hobli, Bhadravathi Taluk, Shivamogga District as CA. But DCF, Bhadravathi vide letter dated 30-12-2022 addressed to UA has certified that the proposed equivalent extent of non-forest land is not suitable for planting as the land already has natural characteristics of forest. Hence, DCF, Bhadravathi has proposed 25 Ha of degraded forest (double the extent of diversion land) in Sy. No. 16 of Shringarbhag-Bullanayakahalli RF in Shringarbhag Village, Basavapattana Hobli, Channagiri Taluk, Davanagere District for planting purpose. <i>(Site Suitable Certificate dated 26-12-2022 is attached in Item No. 21 in Additional Information Details of Part-I, Form-A as well as in hard copy).</i>
7	Copy of the MOU/Agreement executed between present owner and User Agency with respect to Compensatory Afforestation land may be submitted.	User Agency has furnished the Deputy Commissioner, Shivamogga District letter No. SMGDC-LND1/MISC/119/2023 (E-57833) dated 01-02-2023 addressed to Principal Secretary, Revenue Department requesting for transfer of said non forest land in favour of Forest Department.
8	Copy of the non-encumbrance certificate for Compensatory Afforestation land may be provided.	User Agency has furnished the Deputy Commissioner, Shivamogga District letter No. SMGDC-LND1/MISC/119/2023 (E-57833) dated 01-02-2023 addressed to Principal Secretary, Revenue Department requesting for

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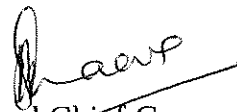
		transfer of said non forest land in favour of Forest Department.																															
Government of India Query dated 15-11-2022		Reply																															
1	The KML file of the area under submergence is shown as a trapezoid, which may not truly reflect the area under actual submergence and accordingly the actual area required. Thus, the KML file of the polygon showing the actual area under submergence on a contour map and revised area requirement details may be submitted.	The User Agency has provided the details regarding this as below. The KML file of the area under submergence is corrected, and the actual area of submergence map is superimposed on the contour map. Now it is clearly depicting the actual area of submergence of watershed area is in between the maximum contour level of 629.50m and minimum contour level of 620.00m. Hence, the extent of actual area of submergence remains same (i.e., Polygon area = 10.1171ha) as previously shown in the proposal. The Map is enclosed.																															
2	The project involves utilization of both forest as well as non-forest land. Therefore, exact area of non-forest required for the project may be reworked and details may be furnished.	<table><tr><td>Component in non-forest land</td><td>Sy. No.</td><td>Length X Width (M)</td><td>Extent (Ha)</td></tr><tr><td rowspan="5">connectivity road in non-forest land</td><td>25 &amp; 27</td><td>139.60 X 10</td><td>0.1396</td></tr><tr><td>28</td><td>184.20 X 10</td><td>0.1842</td></tr><tr><td>95</td><td>18.60 X 10</td><td>0.0186</td></tr><tr><td>96</td><td>103.40 X 10</td><td>0.1034</td></tr><tr><td>97</td><td>156.20 X 10</td><td>0.1562</td></tr><tr><td>Soil quarry</td><td>12</td><td>-</td><td>2.00</td></tr><tr><td colspan="3">Total Extent in non-forest area</td><td>2.602</td></tr></table>				Component in non-forest land	Sy. No.	Length X Width (M)	Extent (Ha)	connectivity road in non-forest land	25 & 27	139.60 X 10	0.1396	28	184.20 X 10	0.1842	95	18.60 X 10	0.0186	96	103.40 X 10	0.1034	97	156.20 X 10	0.1562	Soil quarry	12	-	2.00	Total Extent in non-forest area			2.602
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3	The details of the approach road such as length, width and also the cross-sectional drawing may be provided	<table><tr><td>Land Details</td><td>Length (M)</td><td>Width (M)</td><td>Total Extent (Ha)</td></tr><tr><td>Non- forest land</td><td>602</td><td>10</td><td>0.602</td></tr><tr><td>Forest land</td><td>2040</td><td>10</td><td>2.04</td></tr></table> Cross section details of road <table><tr><td>Carriage Way</td><td>4 meters</td></tr><tr><td>Earthen Shoulder (LHS)</td><td>2 meters</td></tr><tr><td>Earthen Shoulder (RHS)</td><td>2 meters</td></tr><tr><td>Drain (LHS)</td><td>1 meter</td></tr><tr><td>Drain (RHS)</td><td>1 meter</td></tr><tr><td>Total width of road</td><td>10 meters</td></tr></table>				Land Details	Length (M)	Width (M)	Total Extent (Ha)	Non- forest land	602	10	0.602	Forest land	2040	10	2.04	Carriage Way	4 meters	Earthen Shoulder (LHS)	2 meters	Earthen Shoulder (RHS)	2 meters	Drain (LHS)	1 meter	Drain (RHS)	1 meter	Total width of road	10 meters				
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		The cross-sectional drawing of connectivity road & approach road required in forest & non-forest Area is Enclosed
4	The details of dimensions of earthen bund viz length, width (top as well as bottom) and cross-sectional drawing may be furnished.	The User Agency has furnished the cross-sectional map <b>(Copy enclosed)</b> .
5	The details of soil quarry (earth excavation) for creation of pond and also the details of utilization of the excavated soil for bund construction/road construction may be furnished.	The User Agency has provided the details of soil quarry (earth excavation) for creation of pond and also the details of utilization of the excavated soil for bund construction/road construction are given below. a) 2.00 Ha of proposed land for soil quarry area identified in Sy no. 12(old is 14) in Ittigehalli village along with connectivity Road in Sy no 22, 23, 24, 25 & 80. b) Overall, 40 to 50 percent of excavated soil from earthen bund portion is utilized for the construction of nala bund and the balance excavated soil is utilized in the construction of road embankment & for earthen shoulders.
6	All other technical drawings associated with the project may also be furnished to understand and substantiate the diversion area figures sought.	The User Agency has furnished the technical drawings associated with the project <b>(Copy enclosed)</b> .

It is requested to forward the above information to the Government of India in response to the EDS queries dated 04-11-2022 & 15-11-2022 for further needful.

Yours Faithfully



Principal Chief Conservator of Forests  
(Forest Conservation) and Nodal Officer (FCA)

**Copy to the:**

1. Chief Conservator of Forests, Shivamogga Circle, Shivamogga for information.
2. Deputy Conservator of Forests, Bhadravathi Division for information.
3. The Executive Engineer, Karnataka Neeravari Nigam Ltd. No.3, Bhadra Canal Division, Malebennur, Davanagere District – 577530 for information.